

Calmark offers the Series LE260 Extracting/Lever-Lok ("Card-Lok") retainer for cold plate/heat-exchanger applications. This totally unique design provides the significant feature of Board Module Assembly extraction in addition to tool free lever action locking. The Series LE260 provides visual indication of accurate, repeatable locking to a preset clamping force.

## FEATURES

- Safe and easy Board Module Assembly extraction with 4:1 mechanical advantage
- Tool free actuation
- Visual indication of locked or unlocked status
- Preset and adjustable clamping force
- Maintained wedge and body alignment for easy installation
- Special lengths, finishes, or other design options available on request

## MATERIALS & FINISHES

### WEDGES, SHAFT AND LEVER

#### Material:

Aluminum Alloy 6061-T6, ASTM-B221

#### Finish:

Wedge & Shaft: Black Anodize per Mil-A-8625 Type II, Class 2

Wedges: also have Dry Film Lube per Mil-L-46010 Type 1

Lever: Hard Black anodize per Mil-A-8625 Type III, Class 2

### ADJUSTMENT SCREW

#### Material:

Stainless Steel per ASTM-A582\QQ-S-763

#### Finish:

Passivate per Mil-S-5002

Locking element per Mil-F-18240

### HARDWARE

#### Material:

Front Washer: MPIF Standard 25

Rear Washer: ASTM-A240

Spring Washers: ASTM-A266

#### Finish:

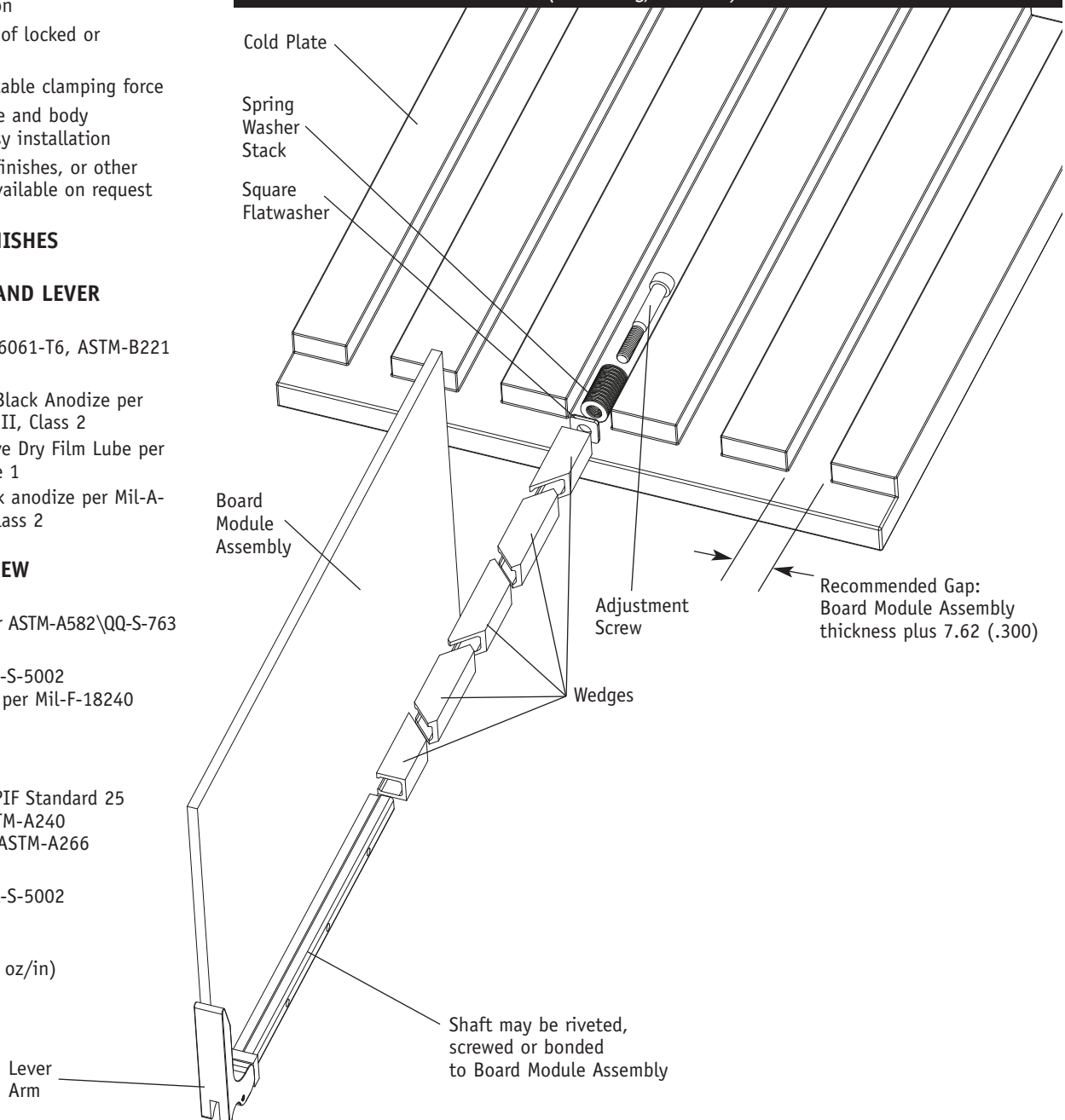
Passivate per Mil-S-5002

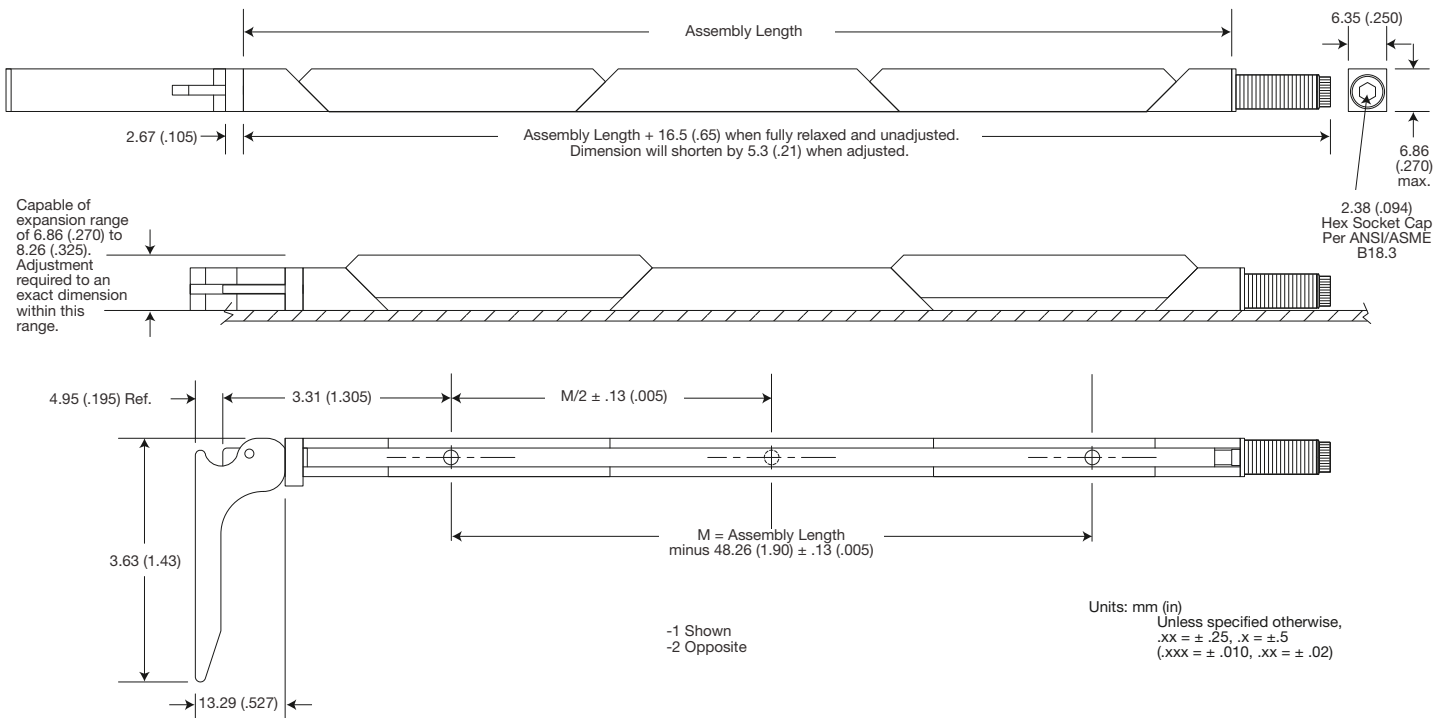
### WEIGHT

1.17 g/cm (.105 oz/in)



Series LE260 "Card-Lok" Retainer (extracting/lever-lok)





## CLAMPING FORCE ADJUSTMENT PROCEDURE

Lever-Lok furnished assembled with spring stack preloaded but not adjusted.

1. Fasten Lever-Lok to Board Module Assembly
2. Insert Board Module Assembly into slot in cold plate
3. Actuate lever to locked/closed position
4. Tighten screw on end of shaft until wedges initially contact wall of cold plate slot, or slight insertion extraction drag is felt
5. Additionally tighten locknut two full turns. DO NOT EXCEED TWO (2) TURNS.
6. Lever-Lok is now ready to use

NOTE: Factory adjustment of clamping force available on request. See part number code.

## CLAMPING FORCE DATA

Direct force of assembly is approximately 556N (125lbs), when adjusted per recommended procedure.

Direct force of assembly is affected approximately as follows:  
26.7N (6lbs) per each .025 (.001) variation of cold plate slot width, or 169N (38lbs) per each full turn of screw.

### Part Number Code

Series LE260 Card-Lok Five Piece

LE260 - 3.80 TO -1 P

#### Suffix options

Assembly length from 2.50 (63.5) to 12.99 (329.9) length.xx  
Preferred lengths are 71.12 (2.80), 96.52 (3.80) and 121.9 (4.80)  
Other lengths available upon request

Mounting Options - 0-80 tapped holes TO  
or choose from Mounting Option Table see table

Lever Direction -1  
-2

Factory Preset clamping force when expanded to 7.62 (.300)

556N (125lbs) P  
645N (145lbs) P1  
None [blank]

### Part Number Code Example:

LE260-2.80TM2-1P1

Series LE260 five piece lever actuated Card-Lok with extractor feature, 71.12 (2.80) long with M2 x .40 tapped mounting holes, -1 lever direction and factory preset for 645N (145lbs) clamping force when expanded to .300 DIM.

### MOUNTING METHOD TABLE

Code Letter	Method
[blank]	2-56 tapped hole
"TO"	0-80 tapped hole
"TM2"	M2 x 0.40 tapped hole
"TM2.5"	M2.5 x 0.45 tapped hole